

**Notice of Allowability**

Application No.

10/606,779

Examiner

Paul D. Kim

Applicant(s)

IMAMURA, MASAO

Art Unit

3729

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/16/2005.
2. ☒ The allowed claim(s) is/are 3-5.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### **DETAILED ACTION**

This office action is a response to the amendment filed on 12/16/2005.

#### ***Drawings***

1. The drawings were received on 12/16/2005. This drawing is accepted.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Townsend, Jr. on 1/13/2006.

The application has been amended as follows:

#### **IN THE CLAIM**

**Re. Claim 3:** Before the phrase "front surface" as recited in line 4, change the phrase "it" to --the resin's substrate--.

After the phrase "concave portion of" as recited in line 10, insert --the substrate surface including--.

After the phrase "concave portion of" as recited in line 11, insert --the substrate surface including--.

After the phrase "concave portion of" as recited in line 14, insert –the substrate surface including--.

**Re. Claim 4:** Before the phrase "resin substrate" as recited in line 37, change the phrase "a" to –the--.

After the phrase "bonded to" as recited in line 37, insert –the--.

After the phrase "so as to form" as recited in line 38, insert –the--.

Before the phrase "ring-shaped comb" as recited in line 40, insert—third--.

After the phrase "concave portion of" as recited in line 45, insert –the substrate surface including--.

After the phrase "concave portion of" as recited in line 46, insert –the substrate surface including--.

After the phrase "concave portion of" as recited in line 49, insert –the substrate surface including--.

**Re. Claim 5:** Before the phrase "ring-shaped comb" as recited in line 9, insert the phrase --third--.

Before the phrase "resin substrate" as recited in line 47, change the phrase "a" to –the--.

After the phrase "so as to form" as recited in line 48, insert –the--.

Before the phrase "third ring-shaped comb" as recited in line 50, change "a" to –the--.

After the phrase "concave portion of" as recited in line 56, insert –the substrate surface including--.

After the phrase "concave portion of" as recited in line 57, insert –the substrate surface including--.

After the phrase "concave portion of" as recited in line 60, insert –the substrate surface including--.

3. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose the claimed invention such as metal plating to form a first, second and third electrode patterns and then applying and surprinting resin vanish in a concave portion of the substrate surface including the third ring-shaped comb electrode pattern follow by curing the resin vanish and polishing the metal surface of the electrode patterns to remove the excessive vanish. It is not obvious taken alone or in combination of other references fairly to suggest the claimed invention.

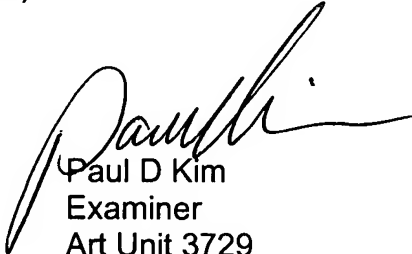
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Claims 3-5 are allowed.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul D. Kim whose telephone number is 571-272-4565. The examiner can normally be reached on Monday-Friday between 6:00 AM to 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Paul D Kim  
Examiner  
Art Unit 3729